



CENTER FOR
WATERSHED
PROTECTION

ANNUAL | 20
REPORT | 23

Mission & Impact

The Center for Watershed Protection (CWP) is a 501(c)(3) organization whose mission is to advance clean water resources and healthy ecosystems through responsible land and water management. The map shows CWP's impact in 2023 through on-the-ground projects.



National Projects:

- Watershed and Stormwater Webcasts
- Watershed and Stormwater Conference
- National Watershed Research Network
- Advancing the State of Watershed Planning through Improved Training and Tools

Regional Project Focus Areas:

- Chesapeake Bay Watershed
- Delaware River Basin
- Gulf of Mexico Region
- Coastal Southeast Michigan
- New York State
- Choptank River Watershed, MD
- National Estuary Program Coastal Watersheds
- Upper and Middle James River Basin, VA
- EPA Region 2 (NY, NJ, PR, USVI)

Board of Directors

Rhea Harris, President

Juanita Galbreath, Vice President
Human Resources Institute

Michael W. Freeburger, Jr., Treasurer &
Finance Committee Chair
Forbright Bank

Luis Valdivieso, Secretary
Epiphany Consulting

Bob Bathurst
Century Engineering

Gregory "Scott" Lang
KCI Technologies, Inc

Michael Marcus, Resource Development
Committee Chair
Consultants for Community Resources

Edward McWilliams
State Employees Credit Union

Kimberly J. Min
Whiteford Taylor and Preston

Scott Osborn,
Governance Committee Chair
Davis, Agnor, Rapaport & Skalny LLC

Jason Overgard
Exelon

Addison Palmer
STV Incorporated

Alice Wu
T. Rowe Price Group

Michael Yost
EnviroTrac Ltd

Alan H. Vicory, Jr., P.E., BCEE,
Ex-Officio Board Member

Staff



Fulton, Maryland Headquarters

Hye Yeong Kwon, *Executive Director/ CEO*

Karen Capiella, *Director, Research*

Amanda Pollack, P.E.,
Director, Training

Karen Titus, *Director, Membership*

Katy Ames, *GIS Specialist*

Marlyn Argueta, *Operations Manager*

Audrey Casper, *Intern*

Jordan Fox, *Watershed & Stormwater
Research Specialist*

Kim Roberts,
Web/Print Media Manager

Emily Trethewey, P.E., C.F.M.,
Water Resources Engineer

Chris Swann, *Watershed Planner*

Richard Thomas,
Contract and Accounting Specialist

Alexandria Wilkins, *Watershed Planner*

Carol Wong, P.E.,
Senior Water Resources Engineer

Michigan Office

Greg Hoffmann, P.E., *Director,
Stormwater Services*

New Jersey Office

Paige Buzard, *Landscape Designer*

New York Office

Deb Caraco, P.E.,
Senior Water Resources Engineer

Pennsylvania Office

Beth Uhler, *Director, Pennsylvania Office*

Julie Schneider, *Watershed Planner*

Bill Stack, P.E., *Senior Advisor*

South Carolina Office

Lisa Fraley-McNeal, *Senior Watershed &
Stormwater Research Specialist*

Virginia Office

Sami Towsif Khan, PhD,
Water Resources Engineer

Allison Lee, P.E.,
Water Resources Engineer

Ellen Zagrobelny, P.E.,
Water Resources Engineer

ACCOMPLISHMENTS

Membership & Training

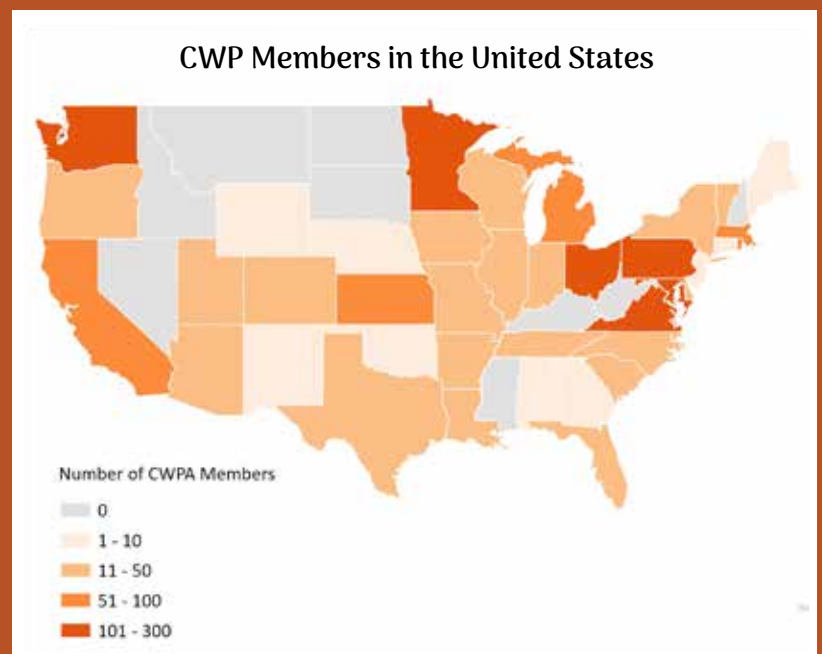


The Center for Watershed Protection Association (CWPA) is a national network of professionals dedicated to advancing state-of-the-art practices in watershed and stormwater management. CWPA is a forum for sharing ideas, resources, expertise, and information pertinent to watershed and stormwater professionals. CWPA members can access the organization's high-quality training and events, which include the National Watershed and Stormwater Conference, the annual Webcast Series, and the Clean Water Certificate Program for Workforce Development as well as customized online and in-person trainings. Membership and training highlights from 2023 include:

- More than 1,900 CWPA members in 2023 from 35 states and 4 countries
- Over 200 attendees joined us in San Diego, CA for the 2023 Watershed and Stormwater Conference which included more than 70 technical presentations and workshops
- Hosted 10 national webcasts with more than 1,900 attendees on topics such as emerging contaminants, illicit discharges, and behavior change
- 150 people earned Clean Water Certificates, preparing them to secure jobs in green infrastructure construction, inspection, and maintenance.
- 11 new instructors trained for the Clean Water Certificate program

- Offered a "Back to the Basics" online training series with six modules on fundamental topics in watershed and stormwater management
- Developed customized training content and guidance on watershed planning; stormwater regulations; green infrastructure construction, inspection, and maintenance; and best practices for winter road salt application for a variety of audiences.

CWP Members in the United States



CWP provides consulting services directly to state and local governments, watershed organizations, environmental consultants, and other clients. We also secure grant funding to provide free technical assistance to local governments and non-profits. These projects build the capacity of communities to protect and restore their watersheds and comply with clean water regulations. In 2023, CWP's accomplishments in this program area include:

- Developed management plans for 12 watersheds in Maryland, Pennsylvania, and New York
- Worked on stormwater design manuals for the District of Columbia, New York State, and the Kansas City metropolitan region
- Evaluated the feasibility of installing stormwater retrofit projects in coastal Michigan; Greenville, NC; Maryland's Eastern Shore; and Pennsylvania's Wyoming Valley
- Worked with communities to design and build 7 stormwater retrofit projects, including a gravel wetland, permeable pavement, bioretention, and basin retrofits in Maryland, Pennsylvania, Delaware, and the District of Columbia
- Worked with stream restoration experts to facilitate the design of over 2 miles of stream restoration projects in Maryland and Pennsylvania
- Assisted 8 jurisdictions in Maryland and Pennsylvania with developing and advancing their stormwater permit programs



- Provided technical assistance to local governments and non-profits through regional programs to identify feasible locations and secure grant funds for restoration projects; manage project delivery; develop quality assurance project plans; and build capacity for strong stormwater management
- Assisted numerous partners with other needs, such as stormwater plan reviews and utility assistance; GIS services; wastewater and comprehensive engineering support; and riparian restoration targeting.



ACCOMPLISHMENTS Watershed & Stormwater Services



ACCOMPLISHMENTS

Research

CWP conducts applied research to better understand the impact of land use activities on our water resources and advance effective solutions. Our strength lies in translating science into practical guidance for policymakers, scientists and other professionals. CWP also spearheads the National Watershed Research Network, a collaborative that helps communities achieve clean water and healthy watersheds by funding applied research on topics determined by its members. In 2023, CWP worked on seven research projects addressing three major themes:

Testing the Effectiveness of Watershed Restoration Strategies

- Monitoring to determine whether use of stream diversion or construction without diversion is more effective to reduce sediment loads during stream restoration
- Monitoring to assess whether stormwater retrofitting alone can result in “self-recovery” of stream channel stability over the long term
- Monitoring to quantify the sediment reduction effectiveness of outfall and gully stabilization projects

Demonstrating Innovative Stormwater Management Strategies

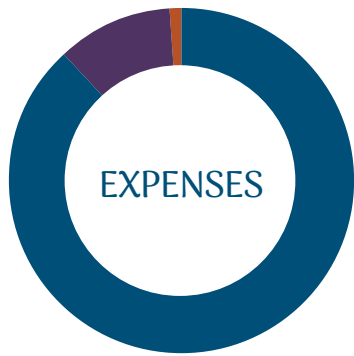
- Testing and verification of biochar’s ability to improve soil infiltration capacity when used in urban stormwater applications in the Chesapeake Bay watershed
- Testing and verification of innovative bioremediation techniques to reduce nutrients in urban runoff and improve water quality in the Gulf of Mexico

Adapting Stormwater Management for a Changing Climate

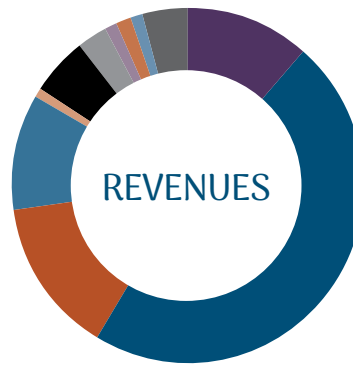
- Cataloging the degree to which state stormwater standards incorporate climate adaptations and providing actionable recommendations for improvement
- Evaluating whether and how to modify the District of Columbia’s stormwater detention standards to align with climate change projections

Photo source: Lake Linganore Association

Financials



- Program Services: 92%
- Administrative & General: 7%
- Fundraising: 1%



- Federal Government Contracts: 11.4%
- Local Government Contracts: 47.7%
- Private Foundations Grants: 14.0%
- Other Grants: 10.5%
- Individual/Corporate Donations: <1%
- Workshops: 5.3%
- Membership Dues: 3.0%
- Subscriptions: <1%
- Advertising & Sponsorships: 1.6%
- Investment Income: 1.3%
- Unrealized Gain: 4.2%

Funders

2023 National Watershed & Stormwater Conference Sponsors

- Anderson, Davis & Associates
- Autodesk
- California Filtration Specialists, LLC
- Chesapeake Bay Trust
- CloudCompli
- Contech Engineered Solutions
- Craftwater Engineering, Inc.
- Ecopia Tech
- Envirolok
- Faircloth Skimmer
- Ferguson Waterworks
- Fluidion US, Inc.
- Geosyntec Consultants
- Oldcastle APG, Inc
- Oldcastle Infrastructure
- Paradigm Environmental
- Precon Products
- Simpson Gumpertz & Heger
- Stantec
- Storm Water Inspection & Maintenance Services
- StormTree
- United States Biochar Initiative
- Xylem

Project Funders

- Abell Foundation
- Audubon Naturalist Society
- Baltimore County, MD
- Berks County Conservation District, PA
- BGE
- Carroll County Government, MD
- Chesapeake Bay Trust
- City of Salisbury, MD
- City of Savannah, GA

- Core Engineers Consulting Group LLC
- Cornell Douglas Foundation
- Delaware Center for the Inland Bays
- District of Columbia Department of Energy & Environment
- East Carolina University
- Ecosystem Planning and Restoration LLC
- FC Frederick
- Frederick County Government, MD
- Fulton County Conservation District, PA
- George W. Kuhn Drainage District, MI
- Groundwork New Orleans
- Hunt Valley Environmental
- Interfaith Partners for the Chesapeake
- James River Association
- Keith Campbell Foundation
- Lake Linganore Association
- Maryland Department of Natural Resources
- Maryland State Fairgrounds
- Mead & Hunt
- Mid-America Regional Council
- National Fish & Wildlife Foundation
- New England Interstate Water Pollution Control Commission
- New Hanover Township, PA
- New York State Department of Environmental Conservation
- Oxford Borough, PA
- Pennsylvania Department of Environmental Protection
- Pioneer Valley Planning Commission, MA
- Restore America's Estuaries
- Severn River Association
- Southeast Michigan Council of Governments
- Tenleytown Main Street, DC
- The Chesapeake Bay Foundation Inc.
- The Max and Victoria Dreyfus Foundation, Inc.

- Town of Bluffton, SC
- Town of Fruitland, MD
- Towson University
- Trout Unlimited
- United States Environmental Protection Agency
- Virginia Polytechnic Institute and State University
- West Marlborough Township, PA
- Wicomico County Government, MD
- William Penn Foundation
- Woodrow and Associates
- Wyoming Valley Sanitary Authority, PA

Donors

- Bob Bathurst
- Deb Caraco
- Karen Evans
- Lisa Fraley-McNeal
- Mike Freeburger
- Juanita Galbreath
- Rhea Harris
- William Huang
- Scott Lang
- Michael Marcus
- Michael Miller
- Kimberly Min
- Willy Moore
- Scott Osborn
- Travis Ostrom
- Addison Palmer
- Capri St. Vil
- Luis Valdivieso
- Alan Vicory
- Mike Yost

We also appreciate the hundreds of donors who made donations to CWP through their workplace giving and other campaigns such as the Amazon Smile Foundation.



CENTER FOR
**WATERSHED
PROTECTION**

11711 East Market Place • Suite 200 • Fulton, MD 20759

*CWP is proud to have achieved the Better Business Bureau
Wise Giving Alliance's Standards for Charity Accountability.*

*In 2023, CWP met the Standards for Charitable
Accountability set forth by the BBB's Wise Giving Alliance.
Also, CWP is a platinum level participant in the GuideStar
Exchange for nonprofit transparency.*

